

CUSTOMER CASE STUDY

**NON-DISPERSIBLE PUMP  
CLOGGING SOLUTION**



**PROJECT OVERVIEW**

**PROJECT/CUSTOMER:**  
Harmon Field Pump Station

**LOCATION:**  
City of Canton, GA

**PRODUCT / SOLUTIONS:**  
Vaughan Pump

**CHALLENGE:**

An increase in non-dispersible items began clogging the Harmon Field Pump Station. Consequently, it required additional maintenance and caused equipment failures.

**SOLUTION:**

Templeton & Associates, a Ferguson partner, supplied the Vaughan Pump, and it was installed. Now, the non-dispersible items enter the pumps' wet end and are easily chopped and passed through the pump.

**OUR ADVANTAGES:**

- Global reach, local support
- Strategic distribution network
- We represent premium process equipment manufacturers for Southeast water and wastewater facilities

## **PROJECT BACKGROUND:**

Since 1985, the City of Canton, GA, has had a dry pit pump station. Originally, they used conventional dry pit pumps with extended shafts to motors located on an intermediate level. Approximately 5 years ago, however, those pumps were replaced with dry pit submersible pumps. They worked well...until recently.

## **CHALLENGE:**

Due to the ever-growing presence of non-dispersible items (baby wipes, shop rags, disposable diapers, etc.) being flushed down toilets and into the gravity sewers, the pump station started experiencing clogging issues. Eventually, the volume of non-dispersible items overwhelmed the pump's ability to pass them. As a result, it caused both the pumps and the switchgear to burn out. In order to maintain the station when it clogged, each pump had to have the suction piping flange unbolted from the pump suction flange so that personnel could reach the impeller to unclog the pump. This procedure took several hours and began to occur more frequently.

David Hatabian, Utilities Engineer and Reservoir Manager for the City, approached us with his problem and asked if a Vaughan pump would be a good retrofit solution for his application.

## **SOLUTION:**

David showed us the pictures of the large volume of non-dispersible items he pulled out of the pumps. The challenge was on, and Vaughan Pump was ready to perform! The Vaughan's impeller and wet end chopping action present a unique advantage. So much so, it provided the reliable solution the city needed.

## **FERGUSON WATERWORKS PARTNERS WITH PREMIER PROCESS EQUIPMENT MANUFACTURER REPS LIKE TEMPLETON & ASSOCIATES TO SUPPORT PUMP STATIONS.**

The City contracted Willow Construction to retrofit the station with Vaughan pumps. After a successful retrofit, the pumps operated nicely. The material that flows to the pump station and enters the pumps' wet end is easily chopped and passed through the pump. As a result, eliminating maintenance man-hours once required to clean the clogged pumps. Now, maintenance personnel can spend their time elsewhere in the collection system.

Templeton & Associates is a leading Ferguson Waterworks partner, bringing over 60 process equipment manufacturers to Southeast water and wastewater treatment facilities. From strategic product recommendations to maintenance agreements and OEM spare part programs, depend on our experts.